



CERTIFICATE OF MAILING

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Rebecca A. Bellas

(Type or Print Name of Person Mailing Paper)

Feb. 19, 2004  
(Date)

Rebecca A. Bellas

(Signature of Person Mailing Paper)

Docket No. 4736A

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Applicant: James F. White  
Serial No.: 10/771,640  
Filed: February 4, 2004  
For: IMPROVED CATALYST FOR PURIFICATION OF AROMATIC ACIDS  
Art Unit: ----  
Examiner: ----

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, pending applications, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120; or (c) U.S. Patent(s) and published application(s) since the subject application was filed after June 30, 2003.

Serial No.: 10/036,822  
Filing Date: December 21, 2001

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- (a)  Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
- (b)  Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

- (a)  Within 3 months of the filing date or date of entry into the National Stage.
- (b)  Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 50-1063 for consideration of this Statement.
- (c)  Before the mailing date of a first Office Action on the merits after a first or second submission after final rejection under 37 C.F.R. 1.129(a).
- (d)  After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.
- (1)  The required certification is given below, or
- (2)  Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or
- (3)  Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 50-1063
- (e)  After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.
- (1)  Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(i)(1), or
- (2)  Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. 50-1063.

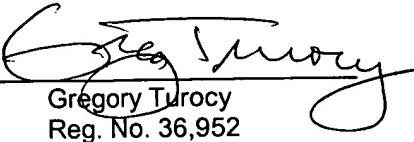
4. Certification (if applicable)

- (a)  The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.
- (b)  The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

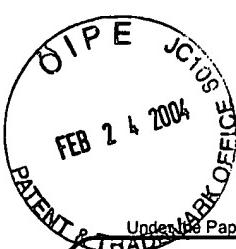
5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 50-1063.

Respectfully Submitted,

AMIN & TUROCY, L.L.P.

By   
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PTO/SB/08A (04-03)

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**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Application Number	10/771,640
Filing Date	February 4, 2004
First Named Inventor	James F. White
Art Unit	
Examiner Name	

Attorney Docket Number 4736A

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	US-	2,409,494	10/15/1946	Keating	
	US-	2,556,616	06/12/1951	Ellis	
	US-	2,611,750	09/23/1952	White	
	US-	3,084,394	04/09/1963	Bickerdike, et al.	
	US-	3,109,712	11/05/1963	Redfern	
	US-	3,162,607	12/22/1964	Burbidge, et al.	
	US-	3,171,720	03/02/1965	Shea, Jr., et al.	
	US-	3,198,714	08/03/1965	Johnson, et al.	
	US-	3,235,346	02/15/1966	Hucke	
	US-	3,288,475	11/29/1966	Benoit	
	US-	3,310,611	03/21/1967	Zocher	
	US-	3,342,555	09/19/1967	McMillan	
	US-	3,345,440	10/03/1967	Googin, et al.	
	US-	3,348,967	10/24/1967	Hucke	
	US-	3,352,788	11/14/1967	Conlisk	
	US-	3,387,940	06/11/1968	McHenry, et al.	
	US-	3,446,593	05/27/1969	Mostssd	
	US-	3,446,865	05/27/1969	Roth, et al.	
	US-	3,544,502	12/01/1970	Boyer, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		0 347 830	12/27/1989	Morikawa, Shinsuke		
		WO 01/21306 A1	03/29/2001	Konishi, Mitsuo		
		WO 01/08798 A1	02/08/2001	Pomahehko		
		EP 1 127 865 A1	08/29/2001	Goto, Yoshihiko, et al.		
		EP 1 205 241 A1	05/15/2002	Romanenko, et al.		
		EP 1 232 789 A1	08/21/2002	Konishi, Mitsuo, et al.		

Examiner Signature	Date Considered
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Sheet 2 of 4

Application Number	10/771,640
Filing Date	February 4, 2004
First Named Inventor	James F. White
Art Unit	
Examiner Name	

Attorney Docket Number 4736A

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,565,980	02/23/1971	Otani	
		US- 3,574,548	04/13/1971	Sands, et al.	
		US- 3,608,170	09/28/1971	Larson, et al.	
		US- 3,626,042	12/7/1971	Appleby, et al.	
		US- 3,628,984	12/21/1971	Ishikawa, et al.	
		US- 3,634,569	01/11/1972	Emanuelson, et al.	
		US- 3,635,676	01/18/1972	Sands	
		US- 3,657,166	04/18/1972	Caldwell	
		US- 3,663,171	05/16/1972	Granger	
		US- 3,775,078	11/27/1973	Elmer, et al.	
		US- 3,859,421	01/07/1975	Hucke	
		US- 3,964,933	06/22/1976	Fung, et al.	
		US- 4,029,567	06/14/1977	Farnand, et al.	
		US- 4,061,596	12/06/1977	Matsushita, et al.	
		US- 4,076,873	02/28/1978	Shea	
		US- 4,082,694	04/04/1978	Wennerberg, et al.	
		US- 4,090,978	05/23/1978	Welsh, et al.	
		US- 4,206,078	06/03/1980	Ohorodnik, et al.	
		US- 4,263,268	04/21/1981	Knox, et al.	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO 03/055599	07/10/2002	Engelhard Corp.		

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Sheet 3 of 4

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 4,329,260	05/11/1982	Lester, et al.	
		US- 4,603,119	07/29/1986	Karl, et al.	
		US- 4,668,496	05/26/1987	Korb, et al.	
		US- 4,892,972	01/09/1990	Schroeder, et al.	
		US- 4,954,469	09/04/1990	Robinson	
		US- 4,987,116	01/22/1991	Karl, et al.	
		US- 5,362,908	11/08/1994	Schroeder, et al.	
		US- 5,616,792	04/01/1997	Bartos, et al.	
		US- 5,756,833	05/26/1998	Rosen, et al.	
		US- 5,965,483	10/12/1999	Baker, et al.	
		US- 5,726,118	03/10/1998	Ivey, et al.	
		US- 5,538,932	07/23/1996	Yan, et al.	
		US- 5,304,527	04/19/1994	Dimitri	
		US- 4,052,336	10/04/1977	Montfoort, et al.	
		US- 5,773,657	06/30/1998	Rutter, et al.	
		US- 5,877,360	03/02/1999	Moore, et al.	
		US-			
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(Use as many sheets as necessary)

Sheet 4 of 4 Attorney Docket Number 4736A

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Bernotas, Ronald C., et al. "The Use of Pearlman's Catalyst for Selective N-Debenzylation in the Presence of Benzyl Ethers," Synthetic Communications, 20(8), 1209-1212 1990.	
		Seif, Louis S., et al. "Selective Hydrogenolysis of Benzyl and Carbonbenzyloxy Protecting Groups for Hydroxyl and Amino Functions," Catalysts of Organic Reactions, 1990 147-216.	
		Studer, Martin, et al. "Influence of Catalyst Type, Solvent, Acid and Base on the Selectivity and Rate in the Catalytic Debenzylation of 4-chloro-N,N-dibenzyl aniline with Pd/C and H <sub>2</sub> ," Journal of Molecular Catalysis A: Chemical 112 (1996) 437-445.	
		International Search Report, PCT/US02/39415, April 17, 2003	

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